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1. Verify Components before Installation.

Before hardware installation, please check if all components listed below are included in the package. If you have missing items, please contact your place of purchase.

	Items	Quantity	Remarks
1	Receivers	2	Left and Right
2	Digital Pen	1	
3	Recharging battery cable	1	3.3 ft (1m)
4	Receiver connection cable	1	16.5 ft (5m)
5	Software CD	1	Includes calibration and board software
6	Acrylic Plates	2	For attaching receivers on whiteboards with thin frames with stand.
7	Steel Brackets	2	For wall mounting or whiteboards with thin frames to be hung on the wall.

2. Receiver Installation.

2.1 Preparation.

ACEeBoard is designed for easy installation. The first step is to place both receivers correctly on the top of your whiteboard frame or by mounting the receivers on the flat surface.

ACEeBoard consists of 2 receivers, connected by a cable. The left receiver has two cables (one is for the USB cable to the computer and the other is a cable that connects the left receiver to the right receiver). Right receiver should have only 1 cable that connects to the left receiver. Please keep in mind that it will not work properly if the receivers are positioned incorrectly.

In order to use the full whiteboard surface as an effective working area, please position each receiver on the upper-left corner and upper-right corner of your whiteboard frame. **Note: The receivers should be mounted at least 1" (2.5 cm) above the projected image area. They may need to be mounted higher when using on flat panel displays as described in 2.2.5.** This device is designed to support up to 100 inches (4:3 ratio).

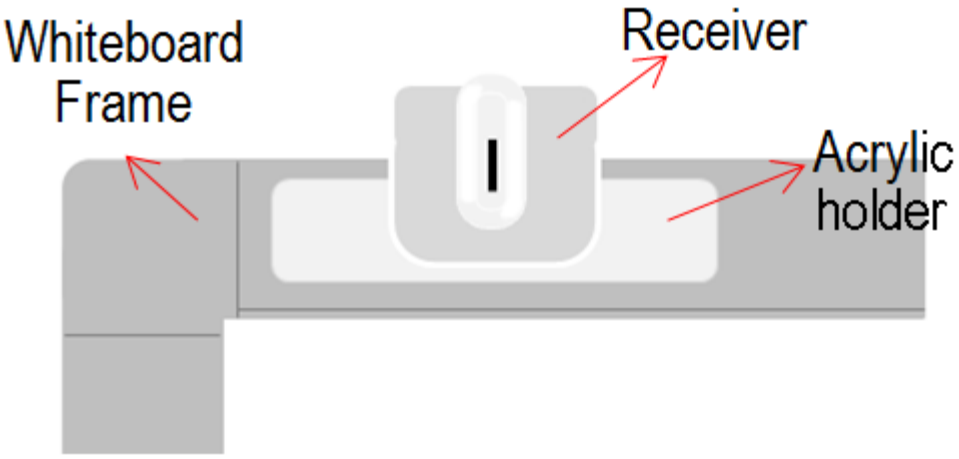
2.2 Installation

2.2.1 For whiteboard or projection screen with thick frame mounted on the Stand or on the wall.

This type of whiteboard is the most common type used. It is very easy to attach the receivers on the top of the whiteboard frame using the double-sided tape included in the box. Acrylic holder and the steel brackets are not needed for this configuration.

2.2.2 For whiteboard or projection screen with a thin frame mounted on the stand.

For this type of whiteboard, the width of its frame is not enough to hold receivers completely. Instead, it is more convenient for you to use the acrylic holder enclosed in the box. Assemble the acrylic holders with the receivers as shown below, and then place each receiver correctly on the left and right top corners of whiteboard frame.

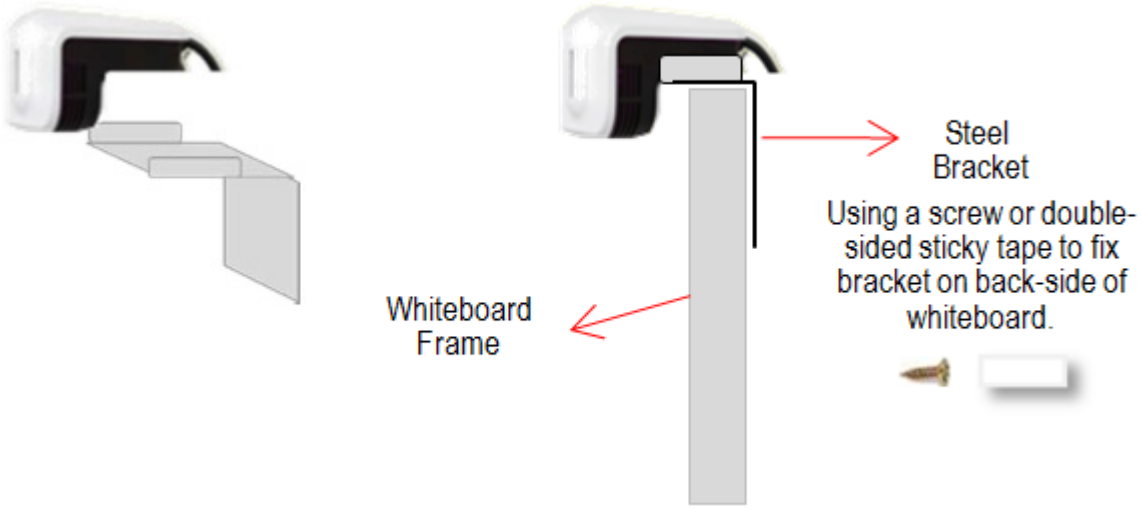


[Front-view]

2.2.3 For whiteboard or projection screen with thin frame mounted on wall.

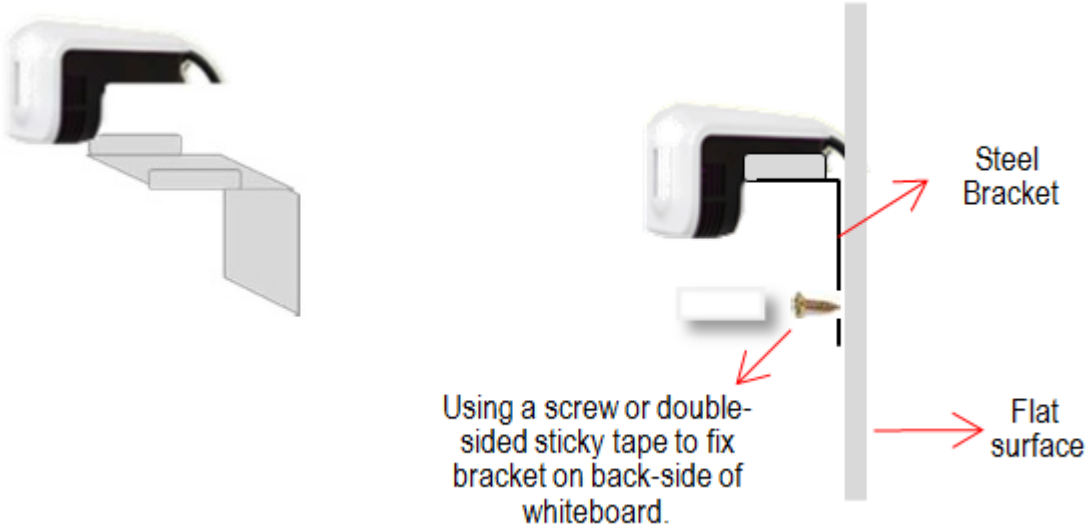
When the whiteboard frame is much narrower than the receiver, it is difficult to mount the receivers on the whiteboard frame. In this case, you may need to use the steel brackets enclosed in the box with following steps:

[step 1] Place receiver onto the top of the steel bracket using double-sided tape.
[step 2] Attach the steel bracket to the back side of the whiteboard.



2.2.4. For mounting Receivers on the flat surface directly.

ACEeBoard can be mounted on the flat surface directly without whiteboard as shown below;
[step 1] Place receiver onto the top of the steel bracket using double-sided tape.
[step 2] Attach the steel bracket to the wall using screws or double-sided tape.

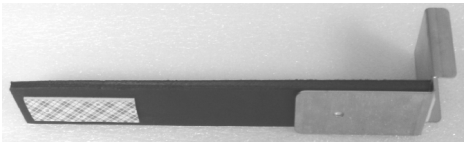


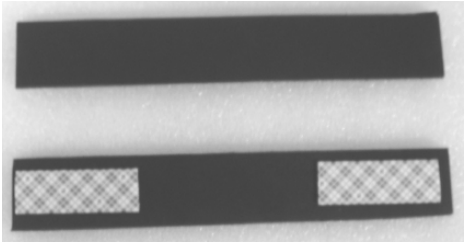
2.2.5. For mounting the receivers on flat panel displays.

Although ACEeBoard is designed for using on whiteboard or projection screen, it can also be used on flat panel displays. The mounting method needs to be modified due to the heat generated from the surface of flat panel displays. In general, the receivers need to be mounted at about 5" above the display area in order to avoid being interfered by the heat wave in front of the display.

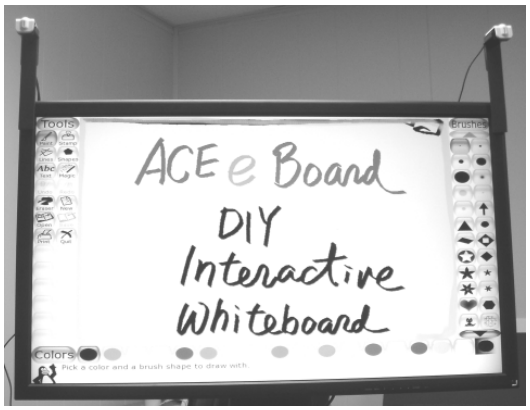
You may use any proper method to raise and mount the receivers 5" above the display, but KEYTEC can also supply a simple mounting fixture for this purpose. You may contact us by calling 1-800-624-4289 (USA) or 1-972-272-7555 (Int'l) or sending email to tech@magictouch.com for the information about the mounting fixture described in the following.

The mounting fixture is a piece of acrylic plate with mounting tapes on one side. Adhere the steel bracket on one end of the acrylic plate.





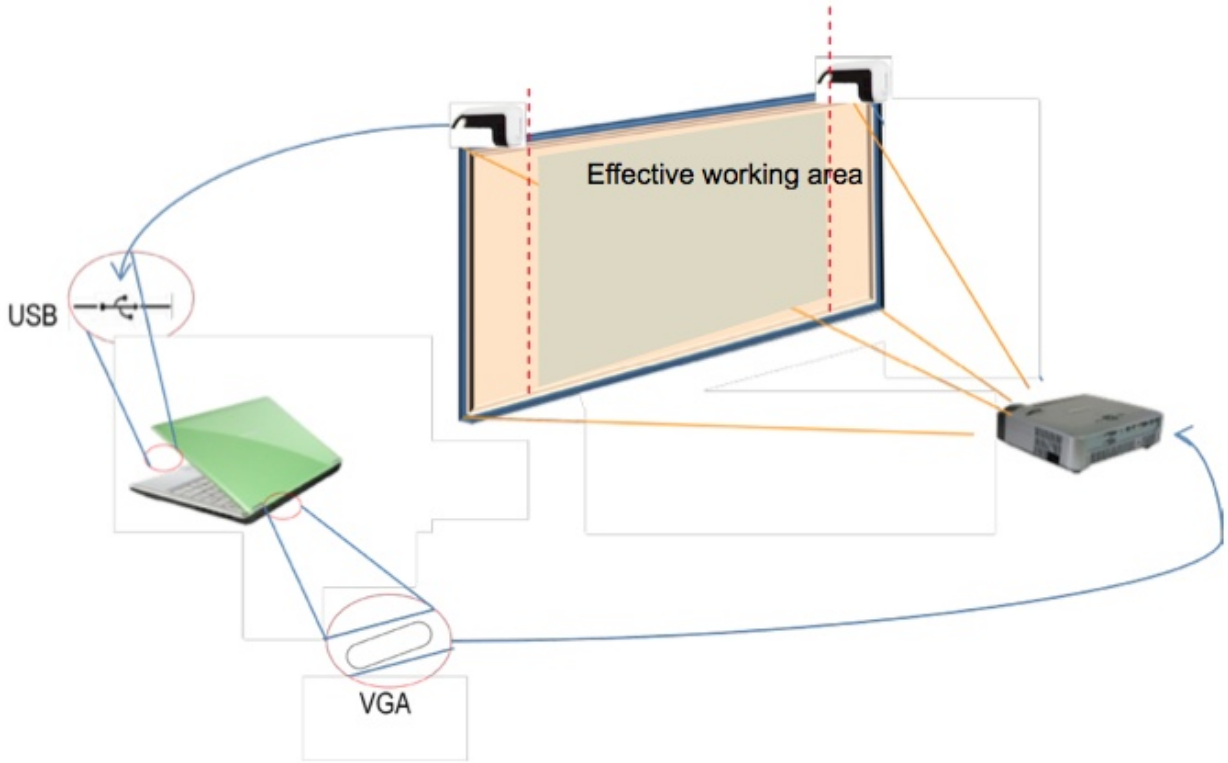
Mount the acrylic plate to the upper corner of the monitor with the steel bracket at about 5” above the top of the monitor. Adhere the receiver on the top of the steel bracket. Mount the other receiver/steel bracket/acrylic plate on the other corner of the monitor.



2.3 <u>Operation.</u>

2.3.1 Connecting USB cable to the computer.
Connect USB cable from left receiver to a USB port on the computer. If cable is not long enough, use active USB extension cable.

2.3.2 Connecting Projector or flat panel display to the Computer with VGA cable.



For software installation, please refer to the software installation guide.

3. Digital pen

3.1 Button Functions

The digital pen has 2 buttons executing different functions depending on the working environment.

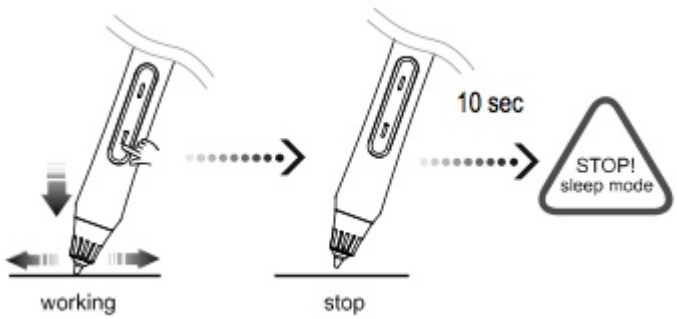
3.1.1. In MINT Interactive mode (Interactive whiteboard software).
- Lower button (close to pen tip): executes the right click of the mouse.
- Upper button: switching eraser mode to writing mode or vice versa.

3.1.2. In Window mode.
- Lower button: executes the right click of the mouse.
- Upper button: executes the window Exit when you push and hold it for a couple of seconds. (This function is only available when MINT control is active.)

3.2 Digital Pen operation

3.2.1 It is rechargeable

Use the recharging cable enclosed in the package. Connect the recharging cable to the end of the digital pen and then connect it to the computer through a USB port. It takes about 1 hour to recharge the pen fully. After it is fully charged, it can last 20 hours under continuous use.



If the pen is idle for 20 seconds from the last click, it will automatically enter sleep mode to save battery. Pen will activate again by pressing any buttons or by clicking the pen tip. If LED light turns red, it's the time to charge the pen.

Press the pen tip or pen button, you should hear a low beep sound which means your digital pen works properly.

3.2.2. Pen tip change

When pen tip is worn-out, it can be replaced with new one included in the package..

To remove - Turn the pen-tip to the right or the left 90 degrees and then pull it out carefully.
To insert – Insert the pen-tip into pen cage and turn it to the right or to the left 90 degrees to lock it.

4. Specification

Operating size		120cm * 200cm (100 inch)
Technology		Ultrasonic and infrared
Device standard		HID pen device
Resolution		About 900 DPI (Sampling) / Valid with 0.3mm
CPU		Over 1 GHz
RAM		Over 512 MB
WINDOWS OS		Wondows XP / Vista (32bit) / Windows 7
Interface		USB port / CD-ROM driver
Operating Temperature / Humidity		0~40 C / 20~ 80 % RH
Storage Temperature / Humidity		-20~60°C / 20~90% RH
Station	Power source	DC 5V (USB)
	Power consumption	Less 180mW
	Dimension	(W)36mm x (D)33mm x (H)55mm
Pen	Power source	DC 4.2V
	Power consumption	60mW
	Dimension	(W)138mm x (D)16.3mm